Public Works (1901) Department.

431-32 / 1

G.O., No. 4312 & 4323

DATED 29th May 1901.

20/5/01

[Despatch Abstract.]

Irrigation Administration Report. Ordered that the G. of I be requested to pronounce a definite interpretation of the meanings of the terms "gross area commanded" and "culturable area commanded" occurring in the statistical statements published annually with the —, and that a copy of the Pro be forwarded to that Govt.

Irrign administration Report. Forwarding copy of Pro requesting a definite interpretation of the meaning of the terms "gross area commanded" and "culturable area commanded" occurring in the statistical statements published annually with the —

P. W. 31. (7,500—17-8-00.)

தமிழ்நாடு ஆவணக்காப்பகம்

பாதுகாப்பு (Pr1) பிரிவு   பணி எண் : 227/56

செப்பனிட்டவரின் பெயர் :

ஆவணத்திலுள்ள மொத்த தாட்கள் : 8

செப்பனிட்டு முடித்த நாள் : 8-6-2021

செப்பனிட்டவரின் கையொப்பம் :

--- சரிபார்க்கப்பட்டது---

21/6/2021.

பணி வழங்கிய எழுத்தர்
(Issue Clerk)

பணி சரிப்பார்த்த எழுத்தர்
(Checking Clerk)

பிரிவுத் தலைவர்

(2)

IRRIGATION.

Government {1901} of Madras.

PUBLIC WORKS.

2/431-32

Recd. } 1901. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 431, 432 I., 29th May 1901.

MAY.

Irrigation Administration Report

Forwarding copy of Proceedings requesting a definite interpretation of the meanings of the terms "gross area commanded" and "culturable area commanded" occurring in the statistical statements published annually with the — .

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

G.O., No. 727 I., dated 9th September 1895.
" " 795 I., " 31st August 1897.
Circular Memo. No. 12 G., dated 27th June 1899.

ENCLOSURE.

STATEMENT comparing the figures of culturable areas and areas irrigable at present by the systems under classes I and II furnished by the Superintending Engineers and the Board of Revenue, and showing also the gross areas and areas irrigable by complete project reported by the Superintending Engineers.

Systems.	Statements I-A and II-A.				Statement IV-E.	
	Gross area commanded.	Culturable area commanded.	Area irrigable by complete project.	Area irrigable at present.	Culturable area commanded.	Area irrigable at present.
	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.
Gódávari delta system	1,267,200	772,899	667,810	662,210	772,899	662,210
Kistna "	1,350,400	859,276	700,000	226,898	834,445	482,445
Pennér river canals	258,600	190,000	165,385	126,197	240,005	155,058
Kurnool-Cuddapah canal	321,515	300,000	80,000	50,000	276,851	50,000
Barur tank project	10,735	8,397	5,794	3,806	5,796	3,806
Cauvery delta system	1,766,400	868,342	868,342	868,342	919,539	1,240,617
Srívaikuntam anicut system ..	80,000	33,500	27,798	27,798	33,500	27,798
Periyár project	768,000	107,650	99,761	94,488	125,924	94,488
Rushikulya project	230,808	142,000	120,000	80,000	143,410	103,410
Ganjám minor rivers system ..	68,000	60,000	60,000	58,000	61,500	59,000
Munnyeru project	14.471	13,024	10,580	779	12,000	10,580
Dondapad tank project	3,240	2,880	1,680	117·83	1,680	1,680
Sagileru project	33,576	26,576	26,576	3,982	26,576	5,693
Cumbum tank system	6,000	6,000	6,000	8,456	6,111	5,746
Thadapalli channel system	13,738	13,738	13,728	13,362	14,336	13,362
Arkenkota "	4,118	4,118	4.118	3,756	4,337	3,756
Kalingaroyen "	9,026	9,026	9.026	8,856	9.026	8,856
Pálár anicut system	Unlimited.	Unlimited.	45,206	20,291	70,697	74,697
Poiney "	Do.	Do.	4,526	20,291	18,388	21,628
Chéyaru "	Do.	Do.	16,771	16,771	18,008	17,962
Chembarambakkam tank system ..	32,553·72	24,478·33	18,013·79	18,013·79	18,000	18,000
Madras water-supply	16,129·32	10,165·59	7,467·71	7,467·71	9,852	9,852
Valluru anicut system	10,124	6,794	6,182	6,182	5,216	5,216
Tirukkóyilúr anicut system ..	50,658	43,970	43,970	20,717	43,970	20,717
Mehamattur "	13,792	10,651	10,651	4,075	10,651	4,075
Vriddháchalam "	19,993	13,021	13,021	5,501	13,021	5,501
Shatiatope "	108,069	36,647	36,647	25,930	36,647	25,930
Pelandorai "	60,671	7,450	7.450	6,887	7,450	6,887
Lower Coleroon "	105 550	78,846	78,846	7,735	134,815	100,639
Nandyar channel system	9,480	9,480	9.480	6,313	9.480	4,532
Marudur anicut system	35,840	17,920	17,920	17,920	17,920	17,920

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

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No. 86 I.

Note by the Chief Engineer for Irrigation.

In enclosure No. 3 to Government of India Memo. No. 215 I., dated 20th August 1895, communicated with Proceedings of the Madras Government, No. 727 I., dated 9th September 1895, the undermentioned items of information required for statistical statements I-A and II-A published annually with the Irrigation Administration Report are defined as follows:—

(i) "Gross area commanded" is the total area which can be irrigated from a canal scheme on the supposition that unlimited water is available.

(ii) "Culturable area commanded" is the "gross area commanded" as above, less the area of unculturable land included in the gross area. In statistical statement IV-E also appended to the administration report there is a column headed "Culturable area commanded by the irrigation works in column 6 in acres". The meaning to be attached to this heading is given in Government of India letter, No. 212 I., dated 13th August 1897, published with Proceedings of the Madras Government, No. 795 I., dated 31st idem, as the area upon which, *quâ* levels, water can be run. The figures in this column refer to areas in districts, but the totals of these areas for each project are the same as the culturable area commanded shown in statements I-A and II-A.

2. From the two definitions of "Culturable area commanded" given above, it is observed that this area is to be arrived at by deducting the area of unculturable land included in the "gross area commanded" and that the latter supposes that unlimited water is available. It is obvious that a literal interpretation of these definitions would, in some cases, give practically unlimited areas, and the intentions of the Government of India in such cases are not clear. In the case of a delta the gross area as thus defined is clearly the whole area of the delta.

3. From the annexed statement it will be observed that, in the case of the Vallur anicut and Chembrambakam tank systems, the culturable areas commanded given by the Board of Revenue in statistical statement IV-E appended to the administration report for 1899–1900 are less than the areas irrigable by the complete projects furnished by the Superintending Engineer for entry in statistical statements I-A and II-A. It will also be observed that except in a few cases the culturable areas commanded by the systems and the areas irrigable at present given by the Board of Revenue in statistical statement IV-E do not agree with the figures furnished by the Superintending Engineers and entered in statements I-A and II-A. The Superintending Engineer, IV Circle, reports that the gross and culturable areas commanded by the Palar, Poiney and Cheyaru anicuts are unlimited. In the case of the Cumbum tank system, the area irrigable at present shown in statistical statement II-A is less than the gross and culturable areas and the area irrigable by the complete project. These inconsistencies are due to the difficulty at present experienced in determining, in some cases, what should be taken as the gross areas and culturable areas commanded. The definition of culturable area commanded, viz., that it represents the area upon which, *quâ* levels, water can be run, implies that the gross area may include hills, etc., on which water cannot be run. It is not clear how a hill can be said to be commanded by an irrigation system. It is recommended that the Government of India may be asked for a definite pronouncement of the meanings of the two terms above referred to.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

6th April 1901.

ORDER—No. 431 I., dated 29th May 1901.

Ordered that a copy of these Proceedings be forwarded to the Government of India, with a request that instructions may be communicated at an early date, as to the

interpretation to be put on the two terms "gross area commanded" and "culturable area commanded".

[Here enter No. 432 I., dated 29th May 1901.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" all Superintending Engineers.
" the Examiner, Public Works Accounts.
" the Revenue Department.

ENDORSEMENT—No. 432 I., dated 29th May 1901.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secretary to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.

Statement comparing the figures of culturable areas and areas irrigable at present by the systems under classes I and II furnished by the Supg. Engr. and Bd. of Revenue, and showing also the gross areas and areas irrigable by complete project supplied by the Supply

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Systems	Statement I A and II A: Gross area Commanded	Statement I A and II A: Culturable area Commanded ×	Statement I A and II A: Area irrigable by Complete Project	Statement I A and II A: Area irrigable at present ×	Statement IV E: Culturable area Commanded ×	Statement IV E: Area irrigable at present ×
	Acs.	Acs	Acs	Acs	Acs	Acs
Godavari Delta System	1267200	772,899	667810	662210	772899	662210
Kistna Delta System	1350400	859,276	700,000	226898	834445	482445
Penner River Canals	258,600	190,000	165385	126,197	[illegible] 240605	[illegible]
Kurnool-Cuddapah Canal	321515	300,000	80,000	50,000	276851	50,000
Barur Tank Project	10735	6097	5794	3806	5796	3806
Cauvery Delta System	1766400	868342	868,342	868342	919539	1040617
Srivaikuntham anicut system	30,000	33500	27,798	27,798	33500	27798
Periyar Project	768000	107,650	99,761	94,488	125924	94,488
Rushikulya Project	230808	142,000	120,000	80,000	143410	103410
Ganjam Minor Rivers System	63000	60,000	64,000	58,000	61500	59000
Munneru Project	14,471	13024	10580	779	12000	10580
Kondapad Tank Project	3240	2880	1880	117.83	1680	1680
Sagileru Project	33576	26576	26,576	3982	26,576	5693
Cumbum Tank System	6000	6000	6000	8456	× 6111	5746
Thotapalli Chl System	13,738	13,738	13,738	12362	14336	13362
Arkavattah -do-	4118	4118	4,118	3756	4337	3756
Kalingarayan -do-	9026	9026	9026	8856	9026	8856
Palar anicut system	Unlimited	Unlimited	45206	20291	70697	74697
Poiney -do-	-do-	-do-	4526	20291	18388	21628
Cheyyar -do-	-do-	-do-	16771	16771	18008	17962
Chembarambakkam Tank	32553·72	24478·33	18013·79	18013·79	18000	18000
Madras Water Supply System	16129·32	10165·59	7467·71	7467·71	9852	9852 7467
Vallur anicut system	10124	6794	6182	6182	5216	5216
Tirukkoyilur -do-	50,658	43970	43970	20717	43970	20717
[illegible]hamattur -do-	13,792	10651	10,651	4075	10,657	4075
Vriddhachalam -do-	19993	13021	13021	5501	13021	5501
Shatiatope -do-	103069	36647	36647	25930	36,647	25930
Pelandorai -do-	60671	7450	7450	6887	7450	6887
Lower Coleroon -do-	105,550	78846	78846	7735	134815	100639
Nandyar Chl -do-	9480	9480	9480	6318	9480	2532
Maradur anicut system	35,840	17920	17920	17920	17920	17920

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P.W.C. No: 3983.

Recd. Regd. 11-5-1.

Encl. 1 & 1 file.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

(5)

PROCEEDINGS OF THE MADRAS GOVERNMENT.

"Gross area Commanded" and "Culturable area Commanded" Note on the interpretation of the terms

UNDER date the

READ the following

SECRETARY TO COMMISSIONER OF REVENUE 10-APR-1901

G.O. No.727 I., dated 9th September 1895.

G.O. No.795 I., dated 31st August 1897.

Circular Memo: No.12 G., dated 27th June 1899.

Print Statement

5/131-32

Note by the Chief Engineer for Irrigation. No 86.I 5.4.01

In enclosure No.3 [illegible]nment [illegible]ider[illegible] of India Memo. No.215 I., [illegible] 20th August 1895, communicated with P.W.G. No.727 I., dated 9th September 1895, the undermentioned items of information required for statistical statements I A, and II A, published annually with the Irrigation Administration Report are defined as follows:-

(1) "Gross area commanded" is the total area which ~~could~~ can be irrigated from a canal scheme on the supposition that unlimited water is available.

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Issue

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The Secretary to Govt. Revenue Dept.

8/A 30/4/01

Rev. No R. No. 2378 10.4.01.

(ii) "Culturable area commanded" is the "gross area commanded" as above, less the area of unculturable land included in the gross area. In statistical statement IV E also appended to the Administration Report there is a column headed "Culturable area commanded by the irrigation works in column 6 in acres". The meaning to be attached to this heading is given in Government of India letter, No.212 I., dated 13th Aug[illegible] [illegible]ublished with P.M.G.No.795 I. [illegible], as the area upon which, qua level [illegible]ater can be run. The figures in this column refer to areas in districts, but the totals of these areas for each project are the same as the culturable area commanded shewn in statements I A and II A.

2. From the two definitions of "Culturable area commanded" given above, it is observed that this area is to be arrived at by deducting the area of unculturable land included in the "gross area commanded", and that the latter

E. I. Form No. 1—1,000—20-3-00.

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~~is to suppose~~ supposes that unlimited water is available. It is obvious that a literal interpretation of these definitions would, in some cases, give practically unlimited areas, and the intentions of the Government of India in such cases are not clear. In the case of a delta the gross area as thus defined is clearly the whole area of the delta.

3. From the annexed statement it will be observed that in the case of the Vallur anicut and Chembrambakam tank systems the culturable areas commanded given by the Board of Revenue in statistical statement IV-E appended to the Administration Report for 1899-1900 are less than the areas irrigable, by the complete projects furnished by the Superintending Engineer for entry in statistical statements I A and II A. It will also be observed that except in a few cases the culturable areas commanded by the systems and the areas irrigable at present given by the Board of Revenue

in statistical statement IV-E do not agree with the figures furnished by the Superintending Engineers and entered in statements I A and II A. The Superintending Engineer, 4th Circle, reports that the gross and culturable areas commanded by the Palar, Poiney and Cheyaru anicuts are unlimited. In the case of the Cumbum tank system the area irrigable at present shewn in statistical statement II A is less than the gross and culturable areas and the area irrigable by the complete project. These inconsistencies are due to the difficulty at present experienced in determining, in some cases, what should be taken as the gross areas and --- culturable areas commanded. The definition of culturable area commanded viz, that it represents the area upon which quâ levels water can be run, implies that the gross area may include hills &c., on which water cannot be run. It is not clear how a hill can be said to be commanded by an irrigation system. It is recommended that the Government of India may be asked

for a definite pronouncement of the meanings of the two terms above referred to.

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Irrign

(1)

Order thereon. No. 431 I. d/29.5.1901

Ordered that a copy of these Proceedings be forwarded to the Government of India with a request that instructions may be communicated at an early date, as to the interpretation to be put on the two terms "gross area commanded" and "culturable area commanded".

2/5

ENDORSEMENT. No. 432 I. d/29.5.1901

Forwarded.

6.4.01

DESPATCHED 11 JUN. 1901

DESPATCHED 11 JUN. 1901

To

The Chief Engineer for Irrign:
All Superintending Engineers.
The Examiner, P.W. Accounts.
" Rev: Departments.

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